

Golder Associates Inc.

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West Lake Landfill	
MO 07 99 00 932	
Scale:	10.9
Other:	Progress Report
002	8.9.95

August 9, 1995

Our Ref: 943-2848.601

U.S. Environmental Protection Agency
Region VII
WSTM/SPFD/REML
726 Minnesota Avenue
Kansas City, Kansas 66101

Attention: Mr. Steven Kinser

**RE: MONTHLY PROGRESS REPORT - JULY 1995
WEST LAKE (BRIDGETON) LANDFILL
OPERABLE UNIT 2 RI/FS**

Dear Mr. Kinser:

On behalf of Laidlaw Waste Systems, Inc. (Laidlaw), Golder Associates Inc. (Golder) has prepared the following progress report in accordance with Section XIII, Paragraph 39 of the Administrative Order on Consent (Consent Order), EPA Docket No. VII-94-F-0025. The progress report describes activities conducted in July 1995.

I. ACTIONS TAKEN TO COMPLY WITH THE CONSENT ORDER

The following activities were performed in July 1995:

- Hydrogeologic characterization continued near the active solid waste landfill.



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SUPERFUND RECORDS

The following table summarizes the hydrogeologic characterization activities completed through July 1995:

Piezometer/Borehole Designation	Total Depth (feet below ground surface)	Soil/Rock Sampling Interval (feet below ground surface)	Screened Interval (feet below ground surface)
PZ-100-KS	391.2	0 - 391.2	374 - 384
PZ-100-SD	246	235.3 - 246	235 - 245
PZ-100-SS	94.5	78.9 - 94.5	74 - 94
PZ-101-SS	140.5	0 - 140.5	129.5 - 139.5
PZ-102-SS	90	0 - 90	80 - 90
PZ-102R-SS	90	0-90	80-90
PZ-103-SS	145.5	0 - 144.3	134.5 - 144.5
PZ-104-SS	145	135-145	134.4-144.5
PZ-104-KS	408	0 - 408	397-407
PZ-104-SD	255	245-255	235-245
PZ-105-SS	149	0 - 149	139 - 149
PZ-106-KS	375	0 - 375	364 - 374
PZ-106-SD	201	191 - 201	191 - 201
PZ-106-SS	165	155 - 165	155 - 165
PZ-107-SS	104	0 - 104	93 - 103
PZ-108-SS	144	0 - 144	133.5 - 143.5
PZ-109-SS	135.7	0-135.7	125.7 - 135.7
PZ-110-SS	141	0 - 141	101 - 111
PZ-111-KS	368.8	0 - 368.8	357 - 367
PZ-111-SD	209.9	199.9 - 209.9	199.4 - 209.4
PZ-112-AS	36	0 - 36	29.6 - 34.6
PZ-113-AD	108.5	0 - 108.5	98.5 - 108.5
PZ-113-AS	40	0 - 40	28.9 - 38.9
PZ-113-SS	159.4	114.6 - 159.4	149 - 159
PZ-114-AS	30	0 - 30	20 - 30
PZ-115-SS	84.7	0 - 84.7	74.5 - 84.5
PZ-116-SS	162.5	0-162.5	151-161
PZ-200-SS	98.7	0 - 98.7	9.5 - 97.5
PZ-201-SS	90	0 - 90	10 - 90
PZ-201A-SS	90	80 - 90	80 - 90
PZ-202-SS	92	0-92	40 - 90

Piezometer/Borehole Designation	Total Depth (feet below ground surface)	Soil/Rock Sampling Interval (feet below ground surface)	Screened Interval (feet below ground surface)
PZ-203-SS	110	0 - 110	99.5-109.5
PZ-204-SS	90.5	0 - 90.5	11 - 91
PZ-204A-SS	90	80-90	79.5-89.5
PZ-205-SS	85.5	54-99.5	74.5-84.5
PZ-206-SS	125	0 - 125	115 - 125
PZ-207-AS	40	0 - 40	34.9 - 39.9
PZ-208-SS	99	0-99	88.5-98.5

Approximate drilling locations are shown on Figure 5-3 of the final "RI/FS Work Plan, West Lake Landfill, Operable Unit 2, Bridgeton, Missouri" (referred to as the final "RI/FS Work Plan"). Consistent with the approach presented in the final "RI/FS Work Plan," the deepest boring in each piezometer cluster was continuously sampled. Other borings in a cluster were sampled only near the screened interval.

During July, existing monitoring well MW-1201 was modified from an open hole construction by backfilling with a bentonite grout in the bottom of the borehole and a neat cement plug overlying the bentonite grout. A 10-foot long section of PVC screen was placed from 138.5 feet to 148.5 feet below ground surface, and the remainder of the hole was completed to the same specifications as the other newly-installed piezometers.

Also during July, piezometer development and slug testing continued.

II. VALIDATED RESULTS RECEIVED

No validated results were received during July 1995.

III. WORK PLANNED DURING AUGUST AND SEPTEMBER 1995

Activities planned for August and September 1995 include the following:

- Hydrogeologic characterization activities near the active solid waste landfill will continue, including piezometer development, slug testing, and collection of monthly water levels;
- Responses to EPA comments on the draft "Sampling and Analysis Plan" are expected to be submitted for EPA receipt on August 1; and,

- Initiation of drilling and sampling associated with the "300-series" piezometers (described in Section 5.2.4.1 of the final Operable Unit 2 RI/FS Work Plan) is expected to occur in September.

IV. MATERIAL PROBLEMS ENCOUNTERED OR ANTICIPATED MATERIAL DELAYS

No material delays were encountered in July, and none are anticipated for August or September 1995.

If you have any questions or comments, please contact Mr. Doug Borro, the Respondent's designated Project Coordinator, or the undersigned.

Sincerely,

GOLDER ASSOCIATES INC.



Ward E. Herst, CPHG, CEM
Program Director - Hydrology
Associate

WEH/rtm

cc: Michael Hockley, Esq., Spencer Fane Britt & Browne
Doug Borro, Laidlaw Waste Systems, Inc.
Doug Wagner, Laidlaw Waste Systems, Inc.
Dennis Wike, Laidlaw Waste Systems, Inc.
Larry Giroux, Laidlaw Waste Systems, Inc.

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AUG 09 1995

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SUPERFUND UNIT**